



022704

22764 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.: 20030245.ORI
First Inventor: Bruce A. Maki, et al.
Title: Double Action Simplex Plunger/Diaphragm Pump

Express Mail Label No.: EV315606333US

Address to: Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

22386 U.S. PTO
10/789591

022704

Application Elements:

1. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
2. ☒ Specification Total Pages: 14
3. ☒ Drawings Total Sheets: 9
4. Oath or Declaration Total Pages:
 - a. ☒ Newly executed.
 - b. ☐ Copy from prior application
(for continuation/divisional with Box 13 completed)
5. ☒ Application Data Sheet.

Accompanying Application Parts

6. ☐ Assignment Papers (cover sheet & document)
7. ☐ Information Disclosure Statement
8. ☐ Preliminary Amendment
9. ☒ Return Receipt Postcard

10. ☐ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
11. ☒ Certificate of Mailing Via Express Mail
12. ☒ Check in the amount of \$770.00
13. ☐ If a **CONTINUING APPLICATION** (check appropriate box and supply requisite information below and in a preliminary amendment, or in an Application Data Sheets under 37 CFR 1.76):

☐ Continuation ☐ Divisional ☐ Continuation-in-Part

of prior application Serial No.:

Prior application information: Examiner: Group Art Unit:

☒ **Assignee Information for Inclusion on the Patent Application Publication:**

Assignee: Hypro Corporation
Address: 375 Fifth Avenue N.W.
New Brighton, MN 55112-3288

Method of Payment

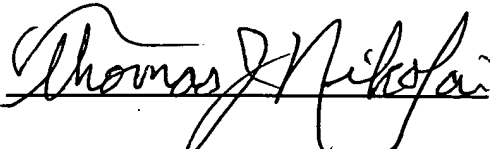
☒ Payment enclosed by check to cover the filing and recording fees.

☒ The Commissioner is authorized to charge any fees or refund any overpayment under 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 08-1265 under Deposit Account name of Nikolai & Mersereau, P.A.

Correspondence Address:

Customer No.: 23595

Typed Attorney Name: Thomas J. Nikolai
Attorney Registration No.: 19283
Telephone Number: 612-339-7461

Signature:  Date: February 27, 2004.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL
for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 770.00)**Complete if Known**

Application Number	
Filing Date	February 27, 2004
First Named Inventor	Bruce A. Maki
Examiner Name	
Art Unit	
Attorney Docket No.	20030245.ORI

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

08-1265

Nikolai & Mersereau, P.A.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)		
1001	770	2001	385	Utility filing fee	770.
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 770.)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid	
Total Claims		-20** =		X		=	
Independent Claims		-3** =		X		=	
Multiple Dependent						=	

Large Entity		Small Entity		Fee Description
Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Thomas J. Nikolai	Registration No. (Attorney/Agent)	19283	Telephone	612-339-7461
Signature	<i>Thomas J. Nikolai</i>	Date	Feb. 27, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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Express Mail No. EV315606333US

PATENT APPLICATION

Docket No. 20030245.ORI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re App : Bruce A. Maki, et al. : February 27, 2004

For : Double Action Simplex Plunger/Diaphragm Pump

CERTIFICATE OF MAILING VIA EXPRESS MAIL

Mail Stop Patent Application
Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the attached patent application consisting of 10 pages of specification, 3 pages of claims, abstract, one copy of 9 sheets of informal patent drawings, 2 pages of an unexecuted Declaration, Power of Attorney, and Petition, a Utility Patent Application Transmittal, a Fee Transmittal, a Patent Application Data Entry Format and a check in the amount of \$770.00 in payment of the filing fees, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450, under Express Mail Post Office to Addressee Label No. EL315606333US.

Respectfully submitted,

NIKOLAI & MERSEREAU, P.A.



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On Behalf of Thomas J. Nikolai

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